

Docket No. 225479US0/hc



1745  
(8)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Ulrich MUELLER, et al.

SERIAL NO: 10/061,147

GAU: 1745

FILED: February 1, 2002

EXAMINER:

FOR: METHOD OF STORING, UPTAKING, RELEASING OF GASES BY NOVEL FRAMEWORK MATERIALS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

RECEIVED

OCT 15 2002

TC 1700

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.

- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.

- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

*Joseph A. Scafetta Jr.*  
Norman F. Oblon

Registration No. 24,618

Joseph A. Scafetta, Jr.  
Registration No. 26,803



22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 03/02)



DOCKET NO. 229479US0

Sheet 1 of 1

SERIAL NO: 10/061,147

Group Art Unit: 1745

STATEMENT OF RELEVANCY

**References AC through AH on Form 1449:**

These references are discussed in the specification.

**RECEIVED**

OCT 15 2002

**TC 1700**

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

225479US0

SERIAL NO.

10/061,147

APPLICANT

Ulrich MUELLER, et al.

FILING DATE

February 1, 2002

GROUP

1745

LIST OF REFERENCES CITED BY APPLICANT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,648,508	07/15/97	O. M. YAGHI			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AB	0 790 253	08/20/97	EUROPE		
	AC	0 727 608	08/21/96	EUROPE		

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AD	S. HYNEK, et al., Int. J. Hydrogen Energy, vol. 22, no. 6, pages 601-610, "HYDROGEN STORAGE BY CARBON SORPTION", 1997	<input type="checkbox"/> Additional References sheet(s) attached
AE	J. A. KERRES, Journal of Membrane Science, vol. 185, pages 3-27, "DEVELOPMENT OF IONOMER MEMBRANES FOR FUEL CELLS", 2001	
AF	N. STATH, et al., Materialstoday, vol. 4, pages 20-24, "OPTOELECTRONIC DEVICE SUBSTRATES", July/August 2001	
AG	R. T. YANG, Carbon, vol. 38, pages 623-641, "HYDROGEN STORAGE BY ALKALI-DOPED CARBON NANOTUBES-REVISITED", 2000	
AH	C. LIU, et al., Science, vol. 286, pages 1127-1129, "HYDROGEN STORAGE IN SINGLE-WALLED CARBON NANOTUBES AT ROOM TEMPERATURE", November 5, 1999	
AI	R. DAGANI, Chemical & Engineering News, vol. 80, no. 3, pages 1-3, "CRYSTAL SPONGES", January 21, 2002	
AJ	B. CHEN, et al., Science, vol. 291, pages 1021-1023, "INTERWOVEN METAL-ORGANIC FRAMEWORK ON A PERIODIC MINIMAL SURFACE WITH EXTRA-LARGE PORES", February 9, 2001	
AK	M. EDDAOUDI, et al., Topics in Catalysis, vol. 9, pages 105-111, "DESIGN AND SYNTHESIS OF METAL-CARBOXYLATE FRAMEWORKS WITH PERMANENT MICROPOROSITY", 1999	
AL	H. LI, et al., Nature, vol. 402, pages 276-279, "DESIGN AND SYNTHESIS OF AN EXCEPTIONALLY STABLE AND HIGHLY POROUS METAL-ORGANIC FRAMEWORK", November 18, 1999	
AM	M. O'KEEFFE, et al., Journal of Solid State Chemistry, vol. 152, pages 3-20, "FRAMEWORKS FOR EXTENDED SOLIDS: GEOMETRICAL DESIGN PRINCIPLES", 2000	
AN	J. KIM, et al., J. Am. Chem. Soc., vol. 123, pages 8239-8247, "ASSEMBLY OF METAL-ORGANIC FRAMEWORKS FROM LARGE ORGANIC AND INORGANIC SECONDARY BUILDING UNITS: NEW EXAMPLES AND SUMPLIFYING PRINCIPLES FOR COMPLEX STRUCTURES", 2001	
AO	M. EDDAOUDI, et al., Science, vol. 295, pages 469-472, "SYSTEMATIC DESIGN OF PORE SIZE AND FUNCTIONALITY IN ISORETICULAR MOFs AND THEIR APPLICATION IN METHANE STORAGE", January 18, 2002	
AP	M. EDDAOUDI, et al., Accounts of Chemical Research, vol. 34, no. 4, pages 319-330, "MODULAR CHEMISTRY: SECONDARY BUILDING UNITS AS A BASIS FOR THE DESIGN OF HIGHLY POROUS AND ROBUST METAL-ORGANIC CARBOXYLATE FRAMEWORKS", 2001	

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.